



DESCRIPTION

nVent RAYCHEM EM2-R is a small geometry robust self-regulating heating cable for simple, fast, and effective ramp heating to prevent snow and ice formation.

The self-regulating EM2-R cable automatically adjusts its power output in accordance with ambient conditions; more power is produced in harsh freezing conditions and less power in marginal freezing conditions. It can be cut to length onsite providing complete flexibility in installation.

ADVANTAGES

Design phase

- Designed to fit any ramp shape and size.
- Variable power output to meet design requirements.
- Variable lengths (cut-to-length) to precisely fit the ramp.

Installation phase

- Cut to length possibility on site allows for on-site variations from design.
- Small geometry makes installation of the cable easier.
- Easier to install components make electrical connection and testing simple.

The applications

- Car Park ramps and accessways
- Footpaths and walkways
- Loading Bays / Distribution centres
- Airport taxi ways and aircraft stands
- Emergency exits on commercial buildings

TECHNICAL DATA

Nominal Power:	80W/m at 0°C
Voltage:	230Vac
Maximum Exposure Temperature:	90°C
Dimensions:	11.8mm x 4.5mm
Circuit Breaker required:	Type C (Max. 32A.)
Maximum Circuit Length:	75m.
Cable Construction:	Self Regulating polymer heating cable, braided and overjacketed.
Certification:	CE

RELATED NVENT RAYCHEM PRODUCTS

VIA-DU-20	Programmable ramp heating control with ambient temperature, ground temperature, and moisture sensors.
CCE-04-CT	Waterproof connection and end seal kit.
JB-82	Temperature resistant junction box.

ORDER REFERENCE

EM2-R ramp heating cable is available on standard cable reels or cut to length.

Product name	Order reference	Description
EM2-R	619902-000	Self Regulating Ramp heating Cable

PRE-INSTALLATION GROUND PREPARATION

The heating cable should be installed on a stable subsurface. In suspended structures the substratum may consist of finished slabs, pre-stressed concrete or a suspended structure with poured concrete. The heating cables can be laid on all subsurfaces including reinforcement grids/bars. In the case of poured concrete, it should be ensured that the surface is smooth and all sharp objects are removed. Ramps on a solid substratum do not require any additional thermal insulation. Appropriate preparations should be made for installing the temperature and moisture sensor.

INSTALLATION INSTRUCTION

Complete installation instructions are supplied with the product and are available electronically from nVent.

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